



DEPARTMENT OF PERMITTING, ENVIRONMENT, AND REGULATORY  
AFFAIRS (PERA)

BOARD AND CODE ADMINISTRATION DIVISION

## NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY, FLORIDA  
PRODUCT CONTROL SECTION

11805 SW 26 Street, Room 208

Miami, Florida 33175-2474

T (786) 315-2590 F (786) 315-2599

[www.miamidade.gov/pera/](http://www.miamidade.gov/pera/)

NR Architectural Products, Inc.

4348 Westroads Drive

West Palm Beach, FL 33407

### SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County PERA-Product Control Section to be used in Miami-Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami-Dade County) and/or the AHJ (in areas other than Miami-Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. PERA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

**DESCRIPTION:** Series "Point Support Glass" Aluminum Curtain Wall System – L.M.I.

**APPROVAL DOCUMENT:** Drawing No. AD10-25, titled "Point Support Glass System (L.M.I.)", sheets 1 through 10 of 10, dated 02/26/12, prepared by M. C. Y. Engineering Inc., with latest revision "1" dated 02/26/12, signed and sealed by Yiping Wang, P. E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and Expiration date by the Miami-Dade County Product Control Section.

**MISSILE IMPACT RATING:** Large And Small Missile Impact Resistant.

**LABELING:** Each unit shall bear a permanent label with the manufacturer's name or logo, city, state, series and following statement: "Miami-Dade County Product Control Approved" unless otherwise noted herein.

**RENEWAL** of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

**TERMINATION** of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/ or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

**ADVERTISEMENT:** The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

**INSPECTION:** A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA revises NOA No. 10-1013.11 and consists of this page 1, evidence page E-1, as well as approval document mentioned above.

The submitted documentation was reviewed by **Jaime D. Gascon, P. E.**



*J Gascon*  
6/7/12

NOA No. 12-0330.03

Expiration Date: March 10, 2016

Approval Date: June 14, 2012

Page 1

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**A. DRAWINGS**

1. Manufacturer's die drawings and sections.  
*(Submitted under previous NOA No. 10-1013.11)*
2. Drawing No. **AD10-25**, titled "Point Support Glass System (L.M.I.)", sheets 1 through 10 of 10, dated 02/26/12, prepared by M. C. Y. Engineering Inc., with latest revision "1" dated 02/26/12, signed and sealed by Yiping Wang, P. E.

**B. TESTS**

1. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94  
2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94  
3) Water Resistance Test, per FBC, TAS 202-94  
4) Large Missile Impact Test per FBC, TAS 201-94  
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94  
6) Forced Entry Test, per FBC 2411 3.2.1, TAS 202-94  
along with marked-up drawings and installation diagram of Point Support Glass System, prepared by Hurricane Test Laboratory, LLC, Test Reports No.'s **HTL-0242-0201-10** and **HTL-0242-0607-10**, dated 07/23 and 03/25/2010, both signed and sealed by Vinu J. Abraham, P. E.  
*(Submitted under previous NOA No. 10-1013.11)*

**C. CALCULATIONS**

1. Anchor verification calculations and structural analysis, complying with FBC-2007, prepared by MCY Engineering, Inc., dated 10/06/10, signed and sealed by Yiping Wang, P. E.  
*(Submitted under previous NOA No. 10-1013.11)*
2. Glazing complies with ASTM E1300-04

**D. QUALITY ASSURANCE**

1. Miami-Dade Department of Permitting, Environment, and Regulatory Affairs (PERA).

**E. MATERIAL CERTIFICATIONS**


1. Notice of Acceptance No. **11-0624.02** issued to E. I. DuPont DeNemours & Co., Inc. for their "**DuPont Sentry Glass® Interlayer**" dated 05/26/2010, expiring on 01/14/17.

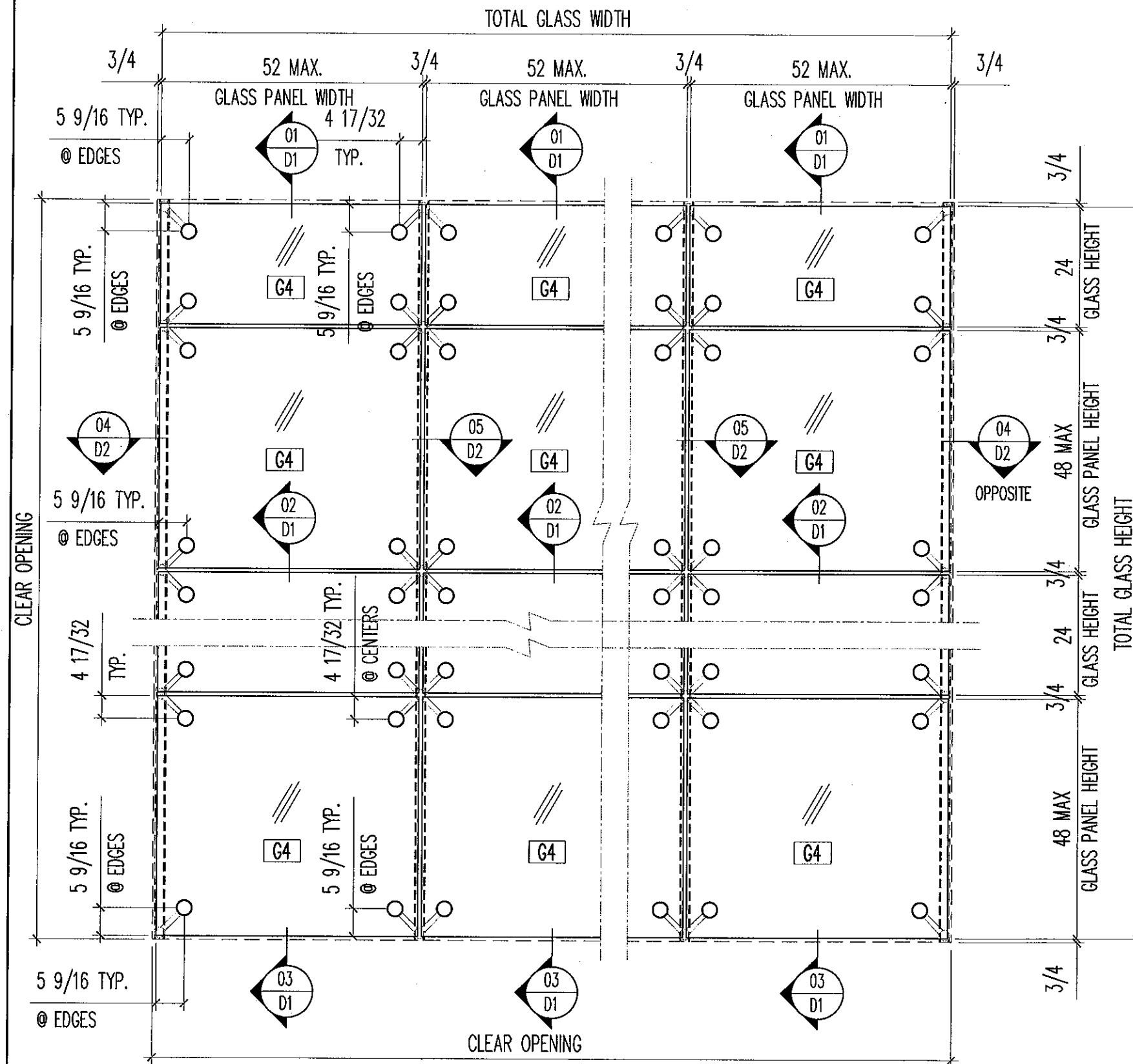
**F. STATEMENTS**

1. Statement letter of conformance, no financial interest and compliance with the FBC 2007 and FBC 2010, dated 02/24/12, signed and sealed by Yiping Wang, P. E.
2. Laboratory compliance letter for Test Reports No.'s **HTL-0242-0201-10** and **HTL-0242-0607-10**, issued by Hurricane Test Laboratory, LLC, dated 07/23 and 03/25/2010, both signed and sealed by Vinu J. Abraham, P. E.  
*(Submitted under previous NOA No.10-1013.11)*

**G. OTHERS**

1. Notice of Acceptance No. **10-1013.11**, issued to NR Architectural Products, Inc. for their **Series "Point Support Glass" Aluminum Curtain Wall System - L.M.I.**, approved on 03/10/11 and expiring on 03/10/16.

  
\_\_\_\_\_  
Jaime D. Gascon, P. E.  
Product Control Section Supervisor  
NOA No. 12-0330.03  
Expiration Date: March 10, 2016  
Approval Date: June 14, 2012

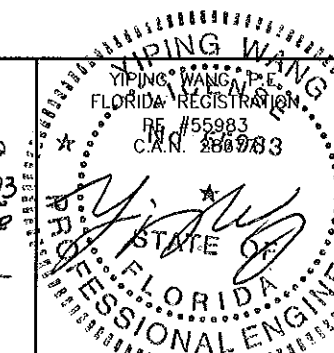


TYPICAL ELEVATION-FOUR (4) POINT SUPPORTED GLASS  
 DESIGN LOAD: + 128.5 / -128.5 PSF

# GENERAL NOTES:

- THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).
- FOUR (4) OR SIX (6) POINT SUPPORT GLASS SYSTEM RATED FOR LARGE MISSILE IMPACT AND DO NOT REQUIRE SHUTTERS.
- THESE POINT SUPPORT GLASS SYSTEM ARE APPROVED FOR AIR AND WATER INFILTRATION.
- CODE REQUIREMENTS FOR SAFEGUARDS MUST BE OBSERVED.
- ANCHORING OR LOADING CONDITIONS NOT SHOWN IN THESE DETAILS ARE NOT PART OF THIS APPROVAL.
- MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE FLORIDA BUILDING CODE REQUIREMENTS SECTION 2003.8.4.
- SUPPORTING STRUCTURES NOT BY NR ARCHITECTURAL PRODUCTS MUST SUPPORT LOADS IMPOSED BY POINT SUPPORT GLASS SYSTEM AND TRANSFER THEM TO THE BUILDING STRUCTURE.
- SUPPORTING STEEL STRUCTURE DESIGN AND ANCHORS SHALL BE CAPABLE OF RESISTING LOADS IMPOSED BY CURTAIN WALL UNDER MAXIMUM DESIGN LOADS AND BE APPROVED BY STRUCTURAL ENGINEER OF RECORDS (EOR).
- GLASS CAPACITY ARE BASED ON ASTM E1300 (3 SECS. GUEST)
- ALL DIMENSION UNIT NOT SPECIFIED SHOULD BE IN INCHES.

PRODUCT REVISED  
 as complying with the Florida  
 Building Code  
 Acceptance No. 12-0330.03  
 Expiration Date 3/10/2016  
 By: [Signature]  
 Miami Dade Product Control  
 MIAMI DADE COUNTY



REVISIONS	
NO.	DATE / DESCRIPTION
1	02/28/12 UPDATED FOR FBC 2010

<b>MCY ENGINEERING, INC.</b> GLAZING CONSULTANTS 8501 SW 124 AVE. STE. 205A MIAMI, FL 33183 P: 305.271.0117 F: 786.573.5063 www.MCYEngineering.com MCY.Engineering@Att.net	
---	--

POINT SUPPORT GLASS SYSTEM (L.M.I.) <b>NR ARCHITECTURAL PRODUCTS</b> 4348 WESTROADS DRIVE WEST PALM BEACH, FL 33407 P: (561) 844 - 1121 F: (561) 844 - 6131	
---	--

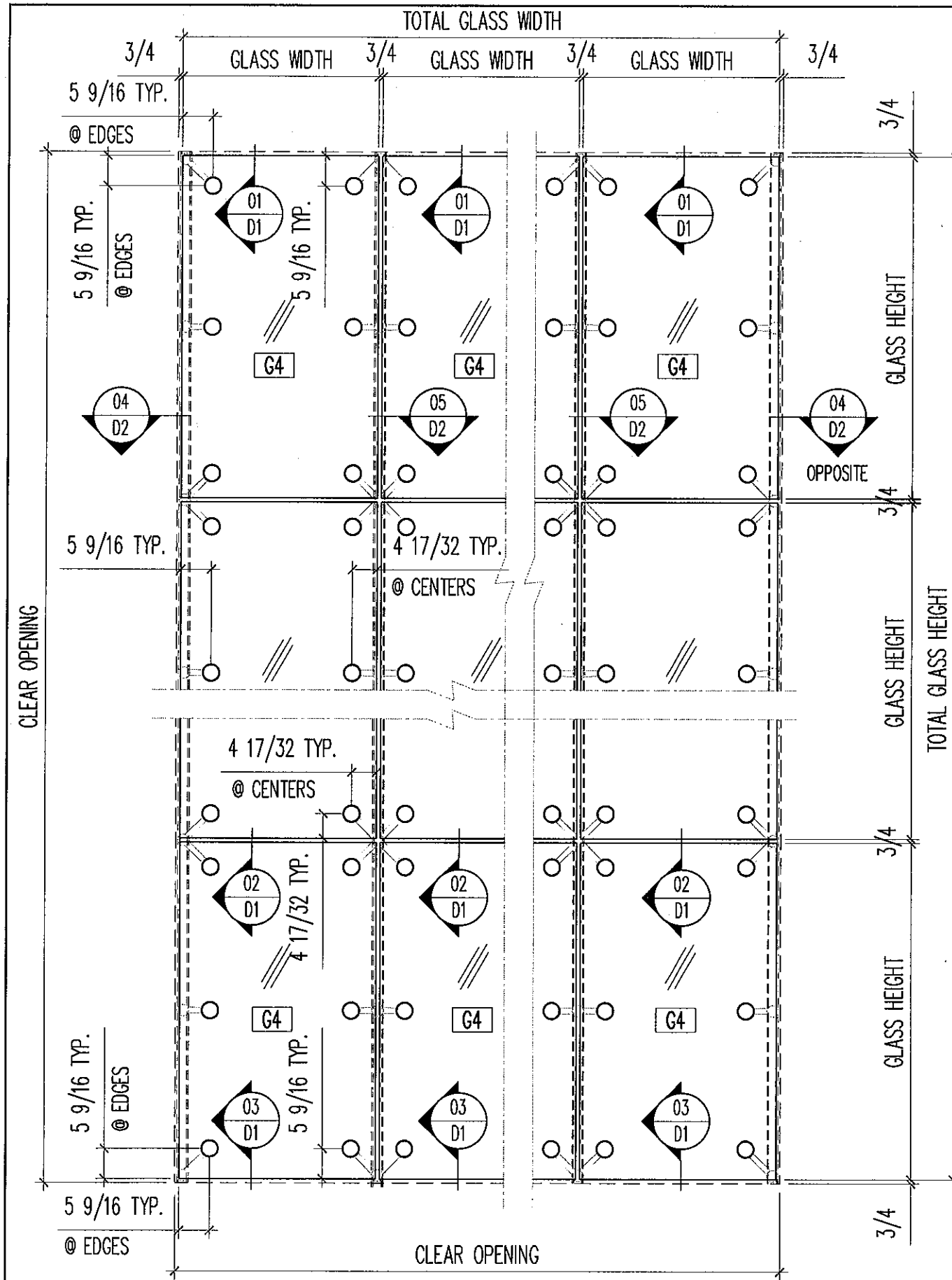
DATE	02-28-12
SCALE	AS NOTED
DRAWN	S.L.
PROJECT	00-000

DRAWING NO.	AD10-25
-------------	---------

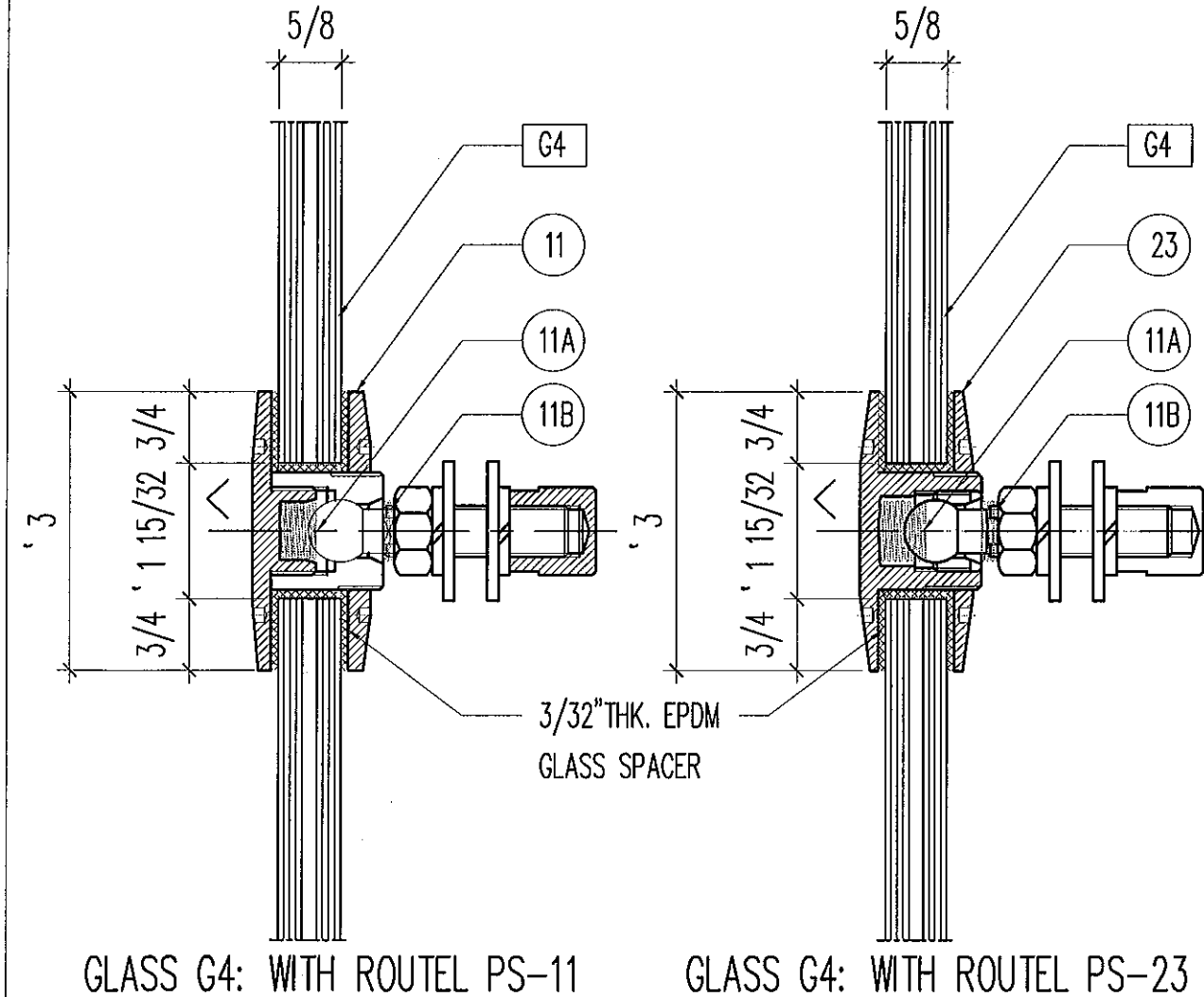
SHEET 1 of 10
---------------



TYPICAL ELEVATION-SIX (6) POINT SUPPORTED GLASS  
DESIGN LOAD: REFER TO SHEET 5 OF 10

# GLASS SPECS:

G4 15.98 (5/8") LAMINATED VISION GLASS  
5.7 (1/4") CLEAR TEMPERED + 0.180 DUPONT SENTRYGLAS  
IONOPLAST + 5.7 (1/4") CLEAR TEMPERED.



**PRODUCT REVISED**  
as complying with the Florida  
Building Code  
Acceptance No. 12-0330.03  
Expiration Date 3/10/2016  
By *[Signature]*  
Miami Dade Product Control  
MIAMI DADE COUNTY

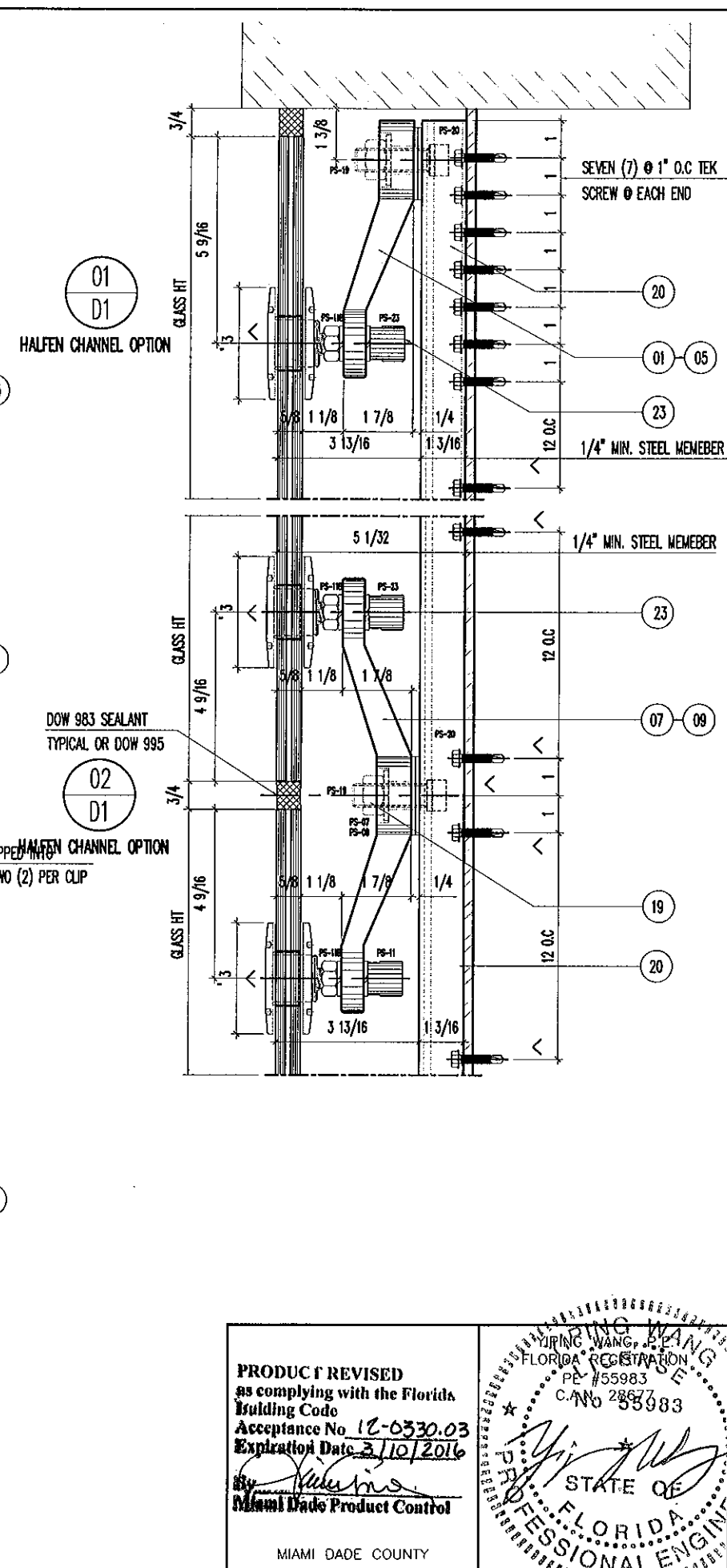
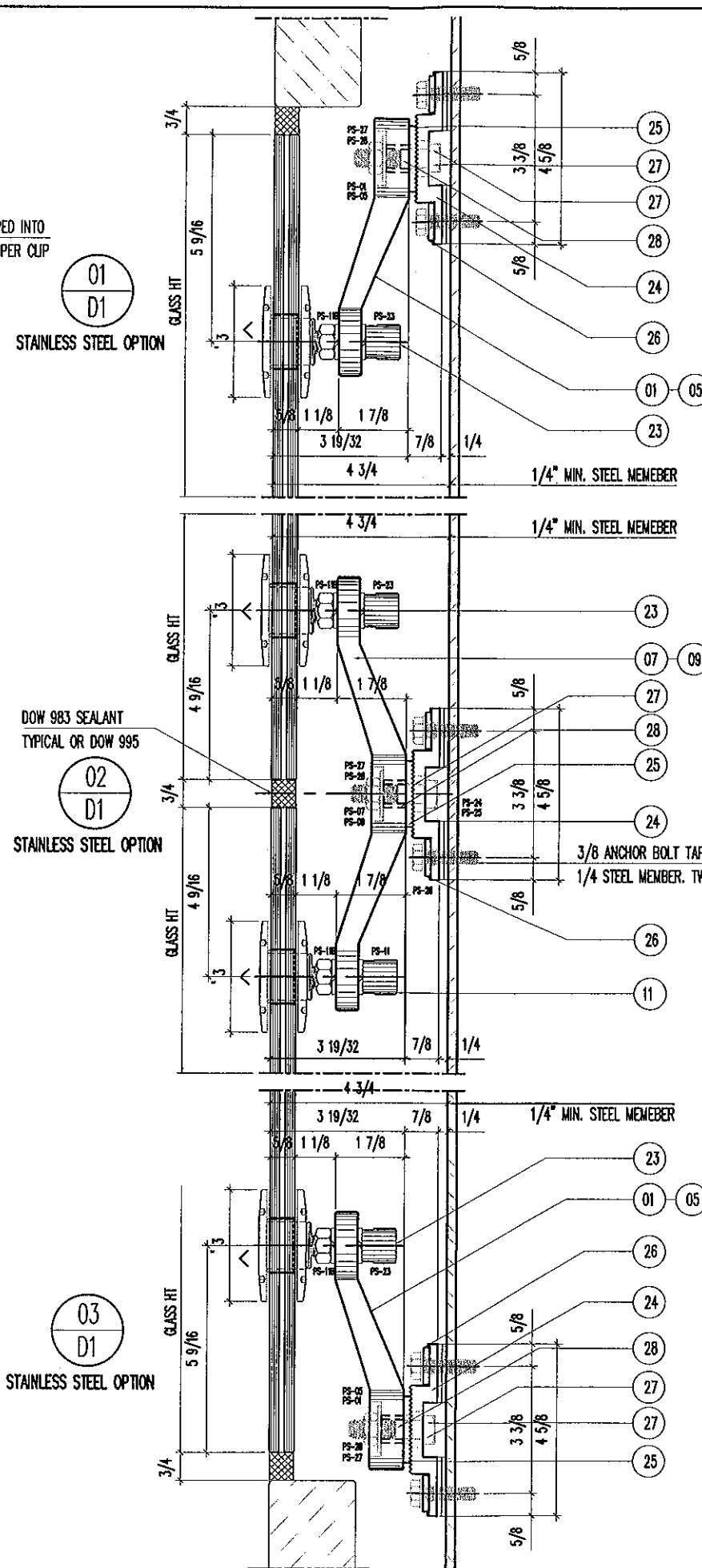
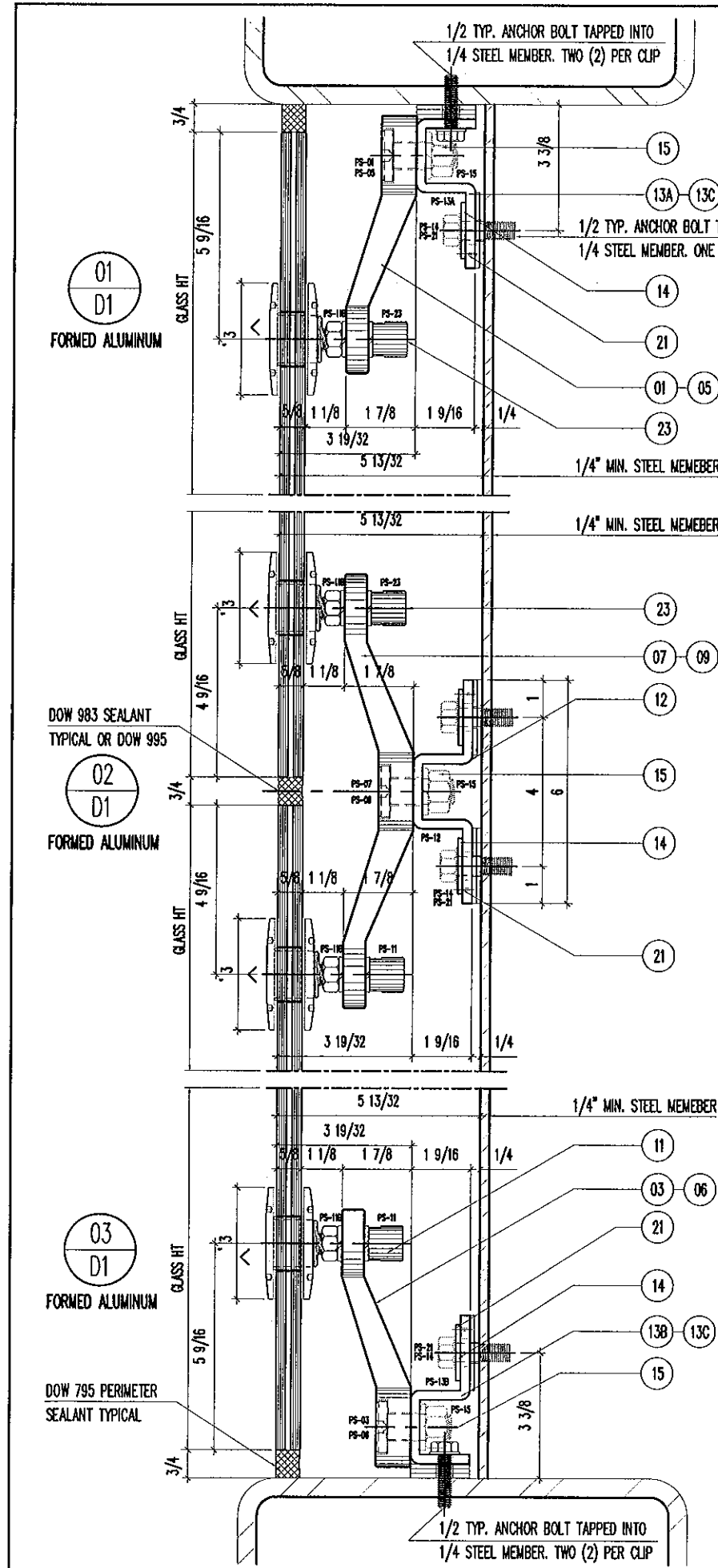
**YIPING WANG, P.E.**  
FLORIDA REGISTRATION  
PE #55983  
CNO 285783  
STATE OF FLORIDA  
PROFESSIONAL ENGINEER  
MAR 10 2012

DATE	02-28-12
SCALE	AS NOTED
DRAWN	S.L.
PROJECT	00-000
DRAWING NO.	AD10-25
SHEET	2 of 10

REVISES	DESCRIPTION	NO.	DATE
1	02/28/12	1	02/28/12

**MCY ENGINEERING, INC.**  
GLAZING CONSULTANTS  
8501 SW 124 AVE. STE. 205A  
MIAMI, FL 33183  
P: 305.271.0117  
F: 786.573.5063  
www.MCYEngineering.com

**POINT SUPPORT GLASS SYSTEM (L.M.I.)**  
**NR ARCHITECTURAL PRODUCTS**  
4348 WESTROADS DRIVE  
WEST PALM BEACH, FL 33407  
P: (561) 844 - 1121 F: (561) 844 - 6131



REVISIONS	
NO	DATE
1	02/28/12
DESCRIPTION	
UPDATED FOR FBC 2010	

MCY ENGINEERING, INC.	
GLAZING CONSULTANTS	
8501 SW 124 AVE. STE. 205A	P: 305.271.0117
MIAMI, FL 33183	F: 786.573.5063
www.MCYEngineering.com	
MCY.Engineering@Att.net	

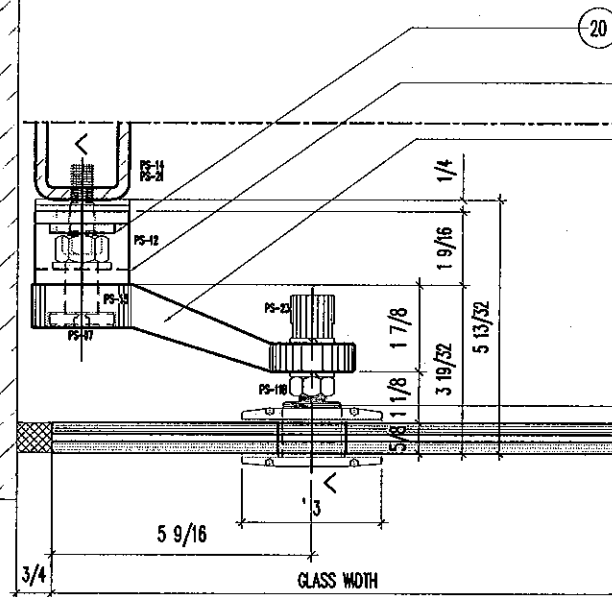
POINT SUPPORT GLASS SYSTEM (L.M.I.)	
NR ARCHITECTURAL PRODUCTS	
4348 WESTROADS DRIVE	
WEST PALM BEACH, FL 33407	
P: (561) 844 - 1121	F: (561) 844 - 6131

**PRODUCT REVISED**  
as complying with the Florida  
Building Code  
Acceptance No. 12-0330.03  
Expiration Date 3/10/2016  
By *[Signature]*  
Miami Dade Product Control

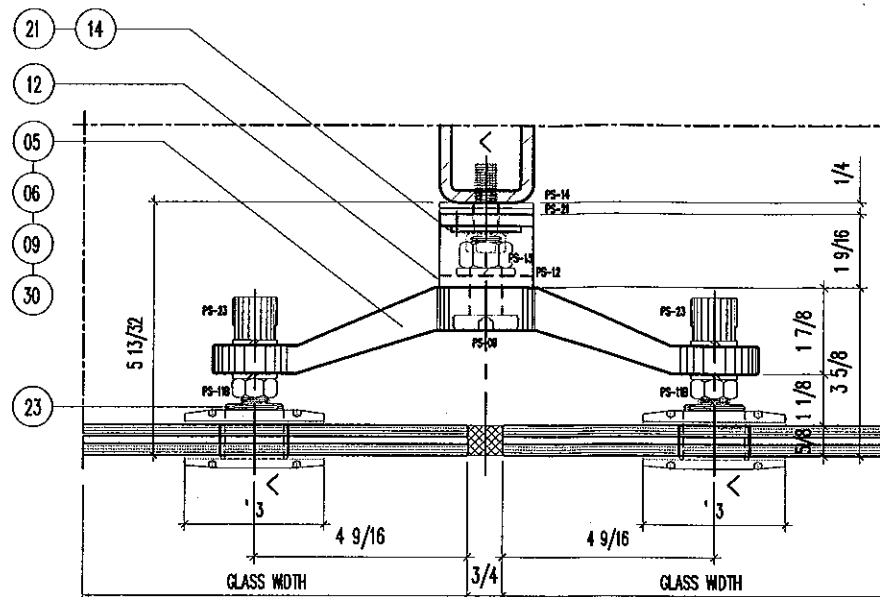
FLORIDA REGISTRATION  
PE 155983  
C.A.N. 28677  
No 55983  
STATE OF  
FLORIDA  
PROFESSIONAL ENGINEER

DATE	02-28-12
SCALE	AS NOTED
DRAWN	S.L.
PROJECT	00-000
DRAWING NO.	AD10-25
SHEET 3 of 10	

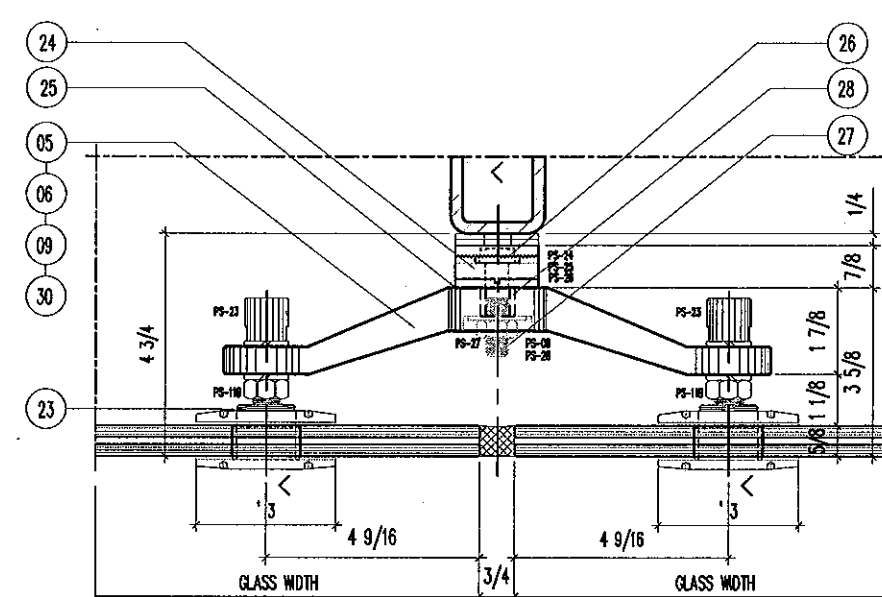
MAR 10 2012



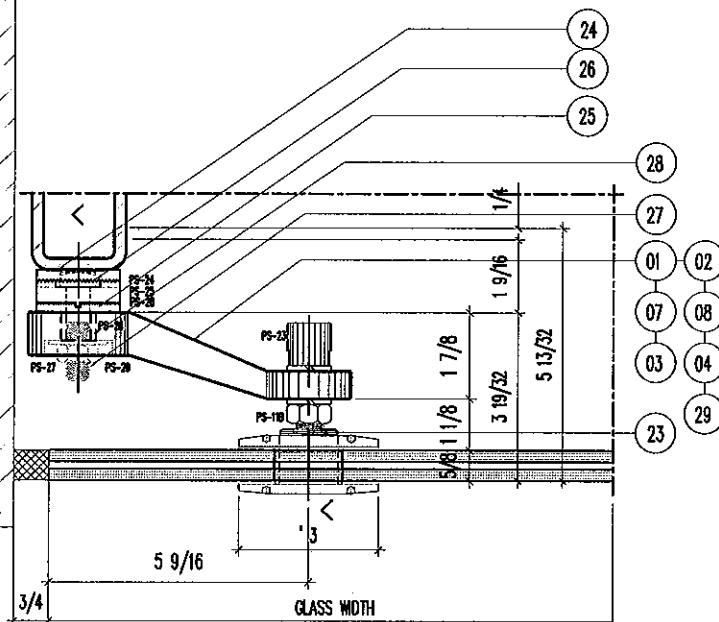
04  
D2  
FORMED ALUMINUM



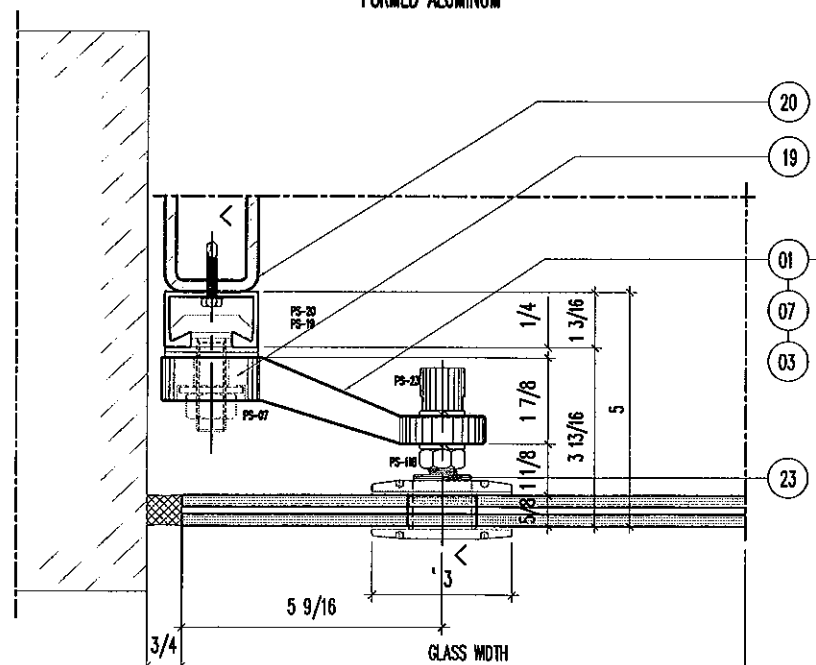
05  
D2  
FORMED ALUMINUM



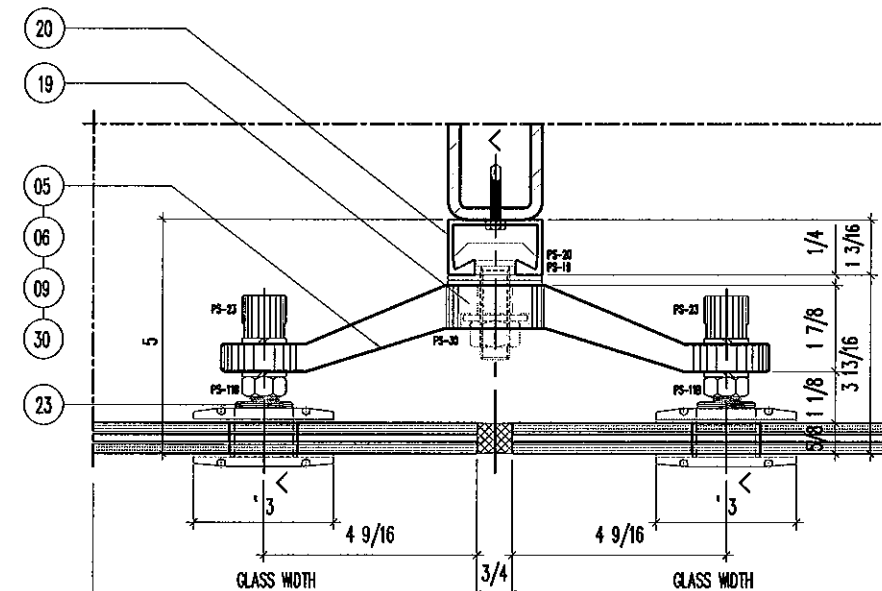
05  
D2  
STAINLESS STEEL OPTION



04  
D2  
STAINLESS STEEL OPTION



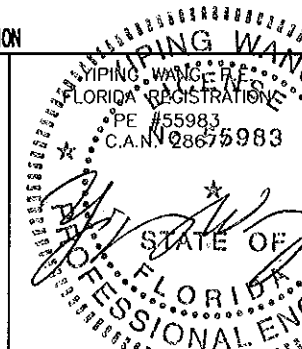
04  
D2  
HALFEN CHANNEL OPTION



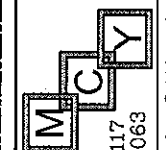
05  
D2  
HALFEN CHANNEL OPTION

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No. 12-0330.03  
Expiration Date 3/10/2016  
By *[Signature]*  
Miami Dade Product Control

MIAMI DADE COUNTY



NO	DATE	DESCRIPTION
1	02/28/12	UPDATED FOR FBC 2010



MCY ENGINEERING, INC.  
GLAZING CONSULTANTS

8501 SW 124 AVE. STE. 205A  
MIAMI, FL 33183  
P: 305.271.0117  
F: 786.573.5063

www.MCYEngineering.com  
MCY.Engineering@Att.net

POINT SUPPORT GLASS SYSTEM (L.M.I.)

NR ARCHITECTURAL PRODUCTS

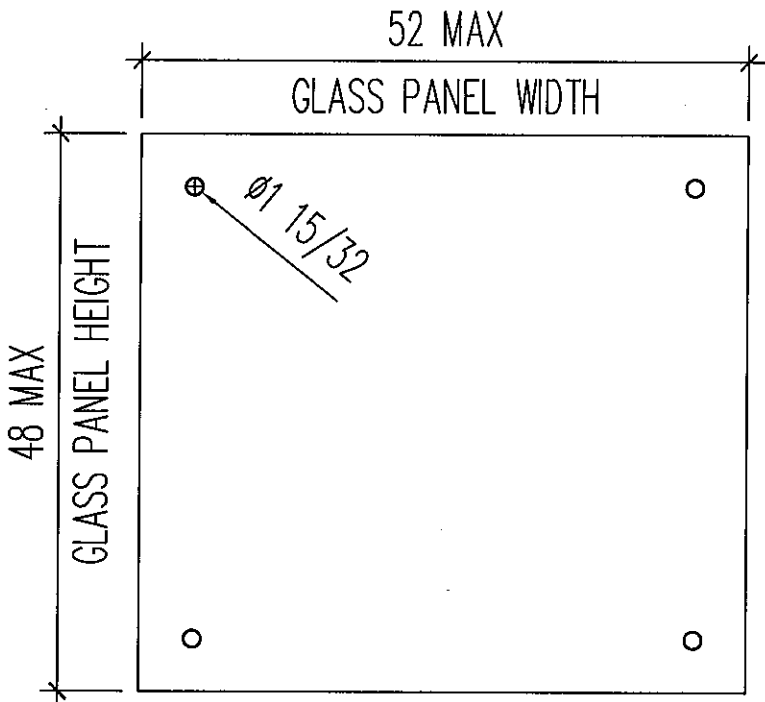
4348 WESTROADS DRIVE  
WEST PALM BEACH, FL 33407

P: (561) 844 - 1121 F: (561) 844 - 6131

DATE	02-28-12
SCALE	AS NOTED
DRAWN	S.L.
PROJECT	00-000
DRAWING NO.	AD10-25

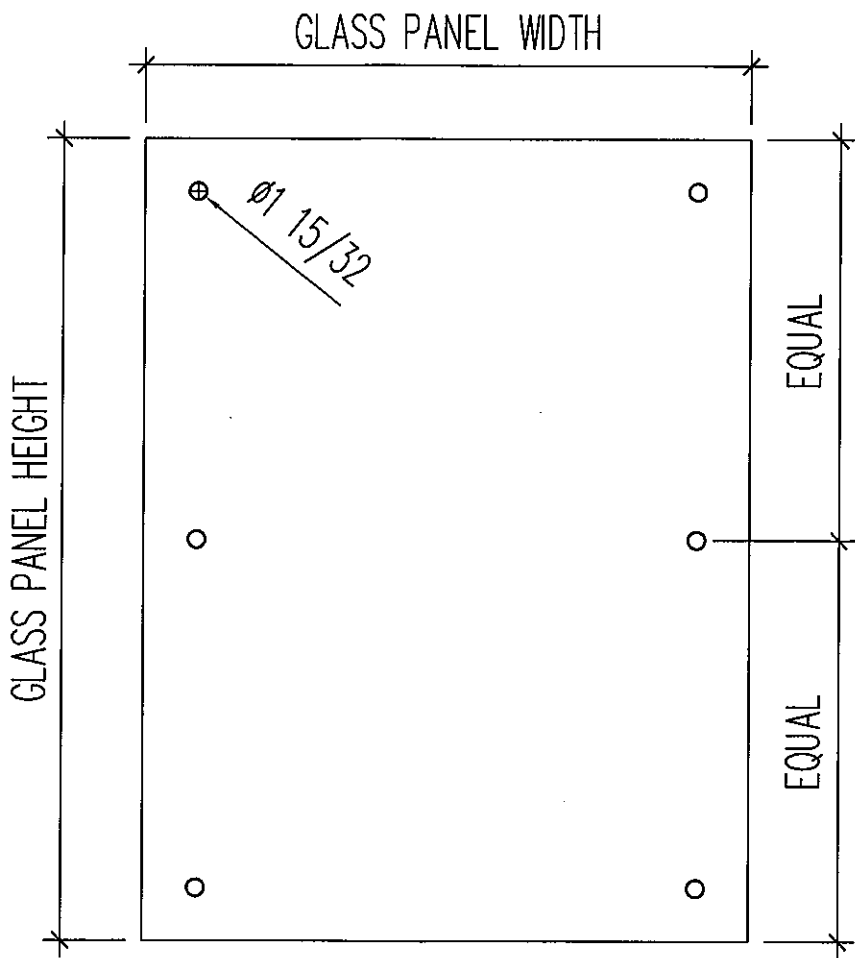
SHEET 4 of 10

GLASS CONFIG.: FOUR (4) POINT SUPPORT



TYPICAL GLASS ELEVATION

GLASS CONFIG.: SIX (6) POINT SUPPORT



TYPICAL GLASS ELEVATION

SIX (6) POINT SUPPORT GLASS DESIGN LOAD CHART		
WIDTH-IN	HEIGHT-IN	DP (PSF)
41-1/2"	60"	128.5
36"	62"	128.5
42"	62"	125.0

**PRODUCT REVISED**  
as complying with the Florida  
Building Code  
Acceptance No. 12-0330.03  
Expiration Date 3/10/2016  
*[Signature]*  
Miami Dade Product Control

MIAMI DADE COUNTY

YOUNG WANG  
FLORIDA REGISTRATION  
NO. #55983  
CAN 285783

STATE OF  
FLORIDA  
PROFESSIONAL ENGINEER

DATE	02-26-12
SCALE	AS NOTED
DRAWN	S.L.
PROJECT	00-000

DRAWING NO.
AD10-25

SHEET 5 of 10
---------------

POINT SUPPORT GLASS SYSTEM (L.M.I.)  
NR ARCHITECTURAL PRODUCTS  
4348 WESTROADS DRIVE  
WEST PALM BEACH, FL 33407  
P: (561) 844 - 1121 F: (561) 844 - 6131

MCY ENGINEERING, INC.  
GLAZING CONSULTANTS  
8501 SW 124 AVE. STE. 205A  
MIAMI, FL 33183  
P: 305.271.0117  
F: 786.573.5063  
www.MCYEngineering.com  
MCY.Engineering@Att.net

NO.	DATE	DESCRIPTION
1	02/26/12	UPDATED FOR FBC 2010

01

STAINLESS STEEL 316

PS-01: SINGLE ARM (TOP LEFT)

02

STAINLESS STEEL 316

PS-02: SINGLE ARM (TOP RIGHT)

03

STAINLESS STEEL 316

PS-03: SINGLE ARM (BOTTOM LEFT)

05

STAINLESS STEEL 316

PS-05: DOUBLE ARM (TOP CENTER)

06

STAINLESS STEEL 316

PS-06: DOUBLE ARM (BOTTOM CENTER)

07

STAINLESS STEEL 316

PS-07: DOUBLE ARM (JAMB LEFT)

08

STAINLESS STEEL 316

PS-08: DOUBLE ARM (JAMB RIGHT)

09

STAINLESS STEEL 316

PS-09: 4- ARM (CENTER)

11

STAINLESS STEEL 316

PS-11: ' 3" ROUTEL ASSEMBLY

11A

STAINLESS STEEL

PS-11A: REDUX SPRING ' 5/8" X 3/8" HIGH INTERNAL SPRING TYPE 17-7

11B

STAINLESS STEEL

PS-11B: REDUX SPRING ' 7/8" X 5/16" HIGH EXTERNAL SPRING TYPE 17-7 S/S

12

3003-H14

PS-12: 2" LONG FORMED BRACKET

13A

3003-H14

PS-13A: 3" LONG FORMED BRACKET

13B

3003-H14

PS-13B: 3" LONG FORMED BRACKET

13C

3003-H14

PS-13C: 3" LONG FORMED BRACKET

14

3004-H14

PS-14: 1/8"X1-1/2"X1-1/2" ALU-LOCKING PLA

15

STAINLESS STEEL A4

PS-15: ' 3/4"X1-11/16" SOCKET HD. BOLT

19

GRADE 8.8 GALVANIZED

PS-19: BH651 M16 ( ' 5/8") HALFEN T-BOLT

20

GRADE 8.8 HOT-DIP GALVANIZED

PS-20: HZM 38/23 HALFEN CHANNEL

21

STAINLESS STEEL (C43 ROCKWELL HARDNESS)

PS-21: ' 1/16"X3/8" LG. SLOTTED DRIVE PIN

BILL OF MATERIALS:

ITEM #	PART #	DESCRIPTION	MATERIAL
01	PS-01	TOP LEFT 1-ARM SPIDER	STAINLESS STEEL 316
02	PS-02	TOP RIGHT 1-ARM SPIDER	STAINLESS STEEL 316
03	PS-03	BOTTOM LEFT 1-ARM SPIDER	STAINLESS STEEL 316
04	PS-04	BOTTOM RIGHT 1-RM SPIDER	STAINLESS STEEL 316
05	PS-05	TOP CENTER 2-ARM SPIDER	STAINLESS STEEL 316
06	PS-06	BOTTOM CENTER 2-ARM SPIDER	STAINLESS STEEL 316
07	PS-07	LEFT JAMB 2-ARM SPIDER	STAINLESS STEEL 316
08	PS-08	RIGHT JAMB 2-ARM SPIDER	STAINLESS STEEL 316
09	PS-09	CENTER 4-ARM SPIDER	STAINLESS STEEL 316
11	PS-11	' 3" SPIDER ROUTEL	STAINLESS STEEL 316
11A	PS-11A	REDUX SPRING ' 5/8" X 3/8" HIGH INTERNAL SPRING TYPE 17-7	STAINLESS STEEL
11B	PS-11B	REDUX SPRING ' 7/8" X 5/16" HIGH EXTERNAL SPRING TYPE 17-7	STAINLESS STEEL
12	PS-12	1/4" THK-2"x6" FORMED BRACKET	3003-H14 ALUMINUM
13A	PS-13A	1/4" THK-3"x4" FORMED BRACKET	3003-H14 ALUMINUM
13B	PS-13B	1/4" THK-3"x4" FORMED BRACKET	3003-H14 ALUMINUM
13C	PS-13C	1/4" THK-3"x4" FORMED BRACKET	3003-H14 ALUMINUM
14	PS-14	1/8" THK-ALU-LOCKING PLATE	3003-H14 ALUMINUM
15	PS-15	' 3/4"X1-11/16" SOCKET HD. BOLT	STAINLESS STEEL A4
19	PS-19	BH651 M16 ( ' 5/8") HALFEN BOLT	GRADE 8.8 GALV.
20	PS-20	HZM 38/23 HALFEN CHANNEL	GRADE 8.8 GALV.

PRODUCT REVISED

as complying with the Florida Building Code

Acceptance No 12-0330-03

Expiration Date 3/10/2016

By [Signature]

Miami Dade Product Control

MIAMI DADE COUNTY

STATE OF FLORIDA

PROFESSIONAL ENGINEER

WANG, WANG, WANG

FLORIDA REGISTRATION NO. 55983

DATE 02-28-12

SCALE AS NOTED

DRAWN S.L.

PROJECT 00-000

DRAWING NO. AD10-25

SHEET 6 of 10

MCY ENGINEERING, INC.

GLAZING CONSULTANTS

8501 SW 124 AVE. STE. 205A

MIAMI, FL 33183

P: 305.271.0117

F: 786.573.5063

www.MCYEngineering.com

MCY.Engineering@Att.net

POINT SUPPORT GLASS SYSTEM (L.M.I.)

NR ARCHITECTURAL PRODUCTS

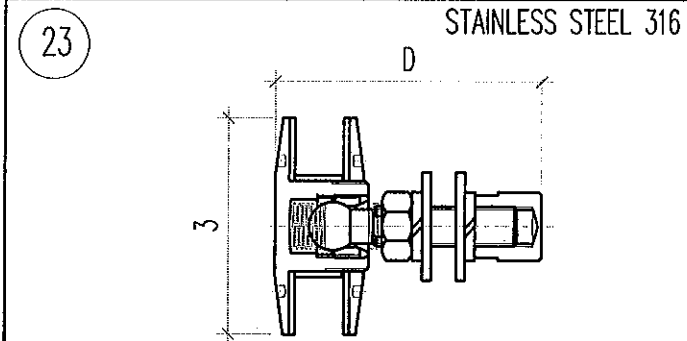
4348 WESTROADS DRIVE

WEST PALM BEACH, FL 33407

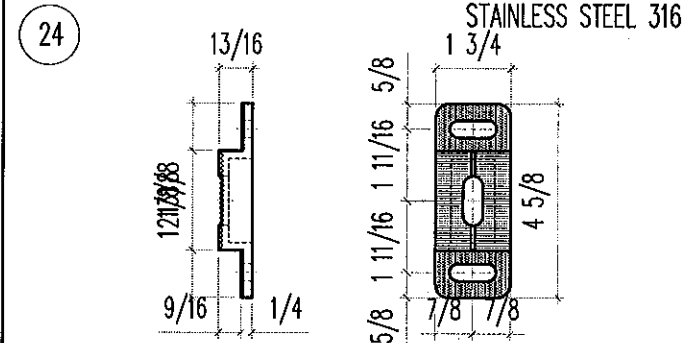
P: (561) 844 - 1121 F: (561) 844 - 6131

MAR 10 2012

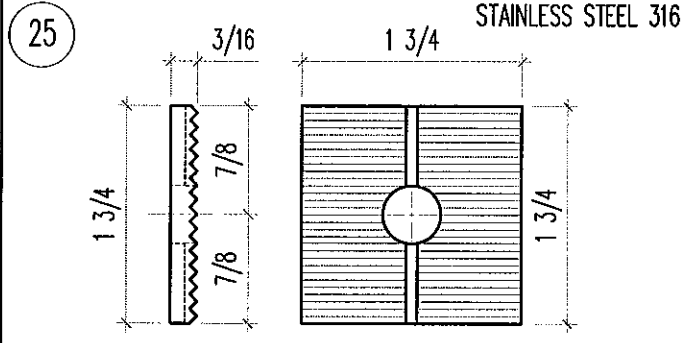




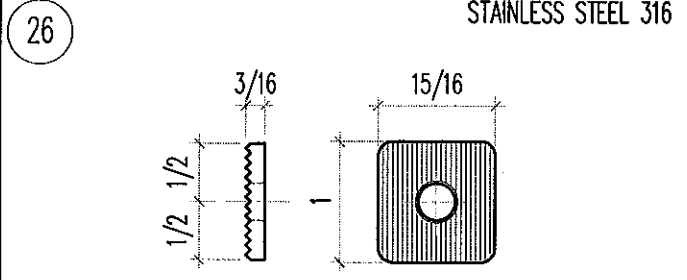
PS-23 ' 3" ROUTEL ASSEMBLY



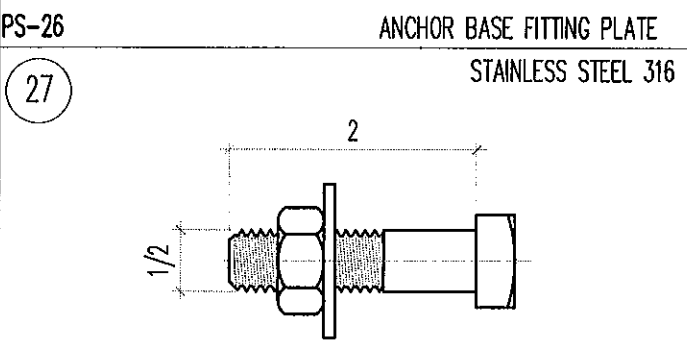
PS-24 ANCHOR BASE FITTING



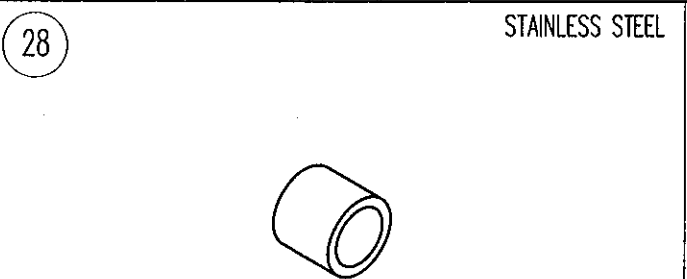
PS-25 ANCHOR BASE FITTING PLATE



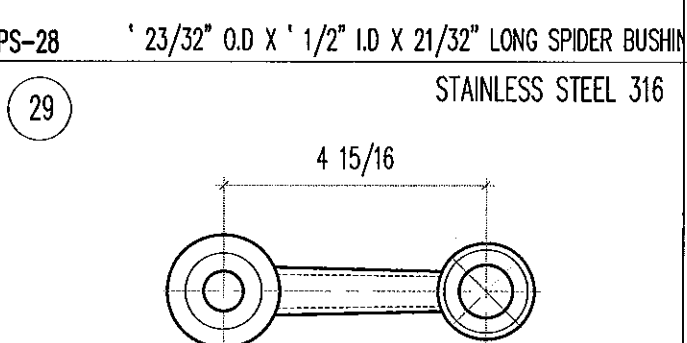
PS-26 ANCHOR BASE FITTING PLATE



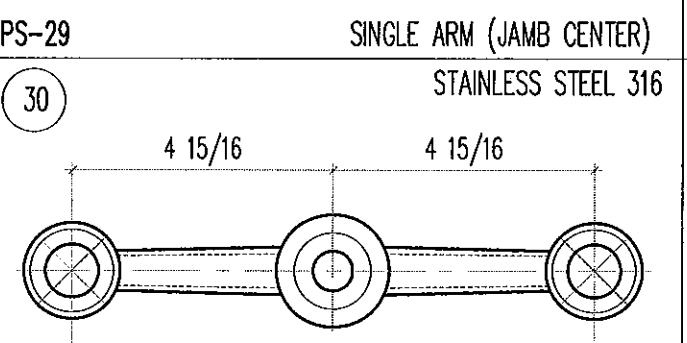
PS-27 ' 1/2" - 13X2" SQHMB BASE FITTING BOLT



PS-28 ' 23/32" O.D X ' 1/2" I.D X 21/32" LONG SPIDER BUSHING



PS-29 SINGLE ARM (JAMB CENTER)



PS-30 DOUBLE ARM (CENTER)

**BILL OF MATERIALS:**

ITEM #	PART #	DESCRIPTION	MATERIAL
21	PS-21	' 1/16"x3/8" LG. DRIVE PIN	S/S (C43 ROCKWELL HARDNESS)
23	PS-23	' 3" SPIDER ROUTEL	STAINLESS STEEL 316
24	PS-24	ANCHOR BASE FITTING	STAINLESS STEEL 316
25	PS-25	ANCHOR BASE FITTING PLATE	STAINLESS STEEL 316
26	PS-26	ANCHOR BASE FITTING PLATE	STAINLESS STEEL 316
27	PS-27	' 1/2"-13X2" SQHMB FITTING BOLT	STAINLESS STEEL 316
28	PS-28	' 23/32" O.D X ' 1/2" I.D X 21/32" LG. SPIDER BUSHING	STAINLESS STEEL 316
29	PS-29	JAMB CENTER 1-ARM SPIDER	STAINLESS STEEL 316
30	PS-30	CENTER 2-ARM SPIDER	STAINLESS STEEL 316

**REVISIONS**

NO	DATE	DESCRIPTION
1	02/26/12	UPDATED FOR FEB 2010

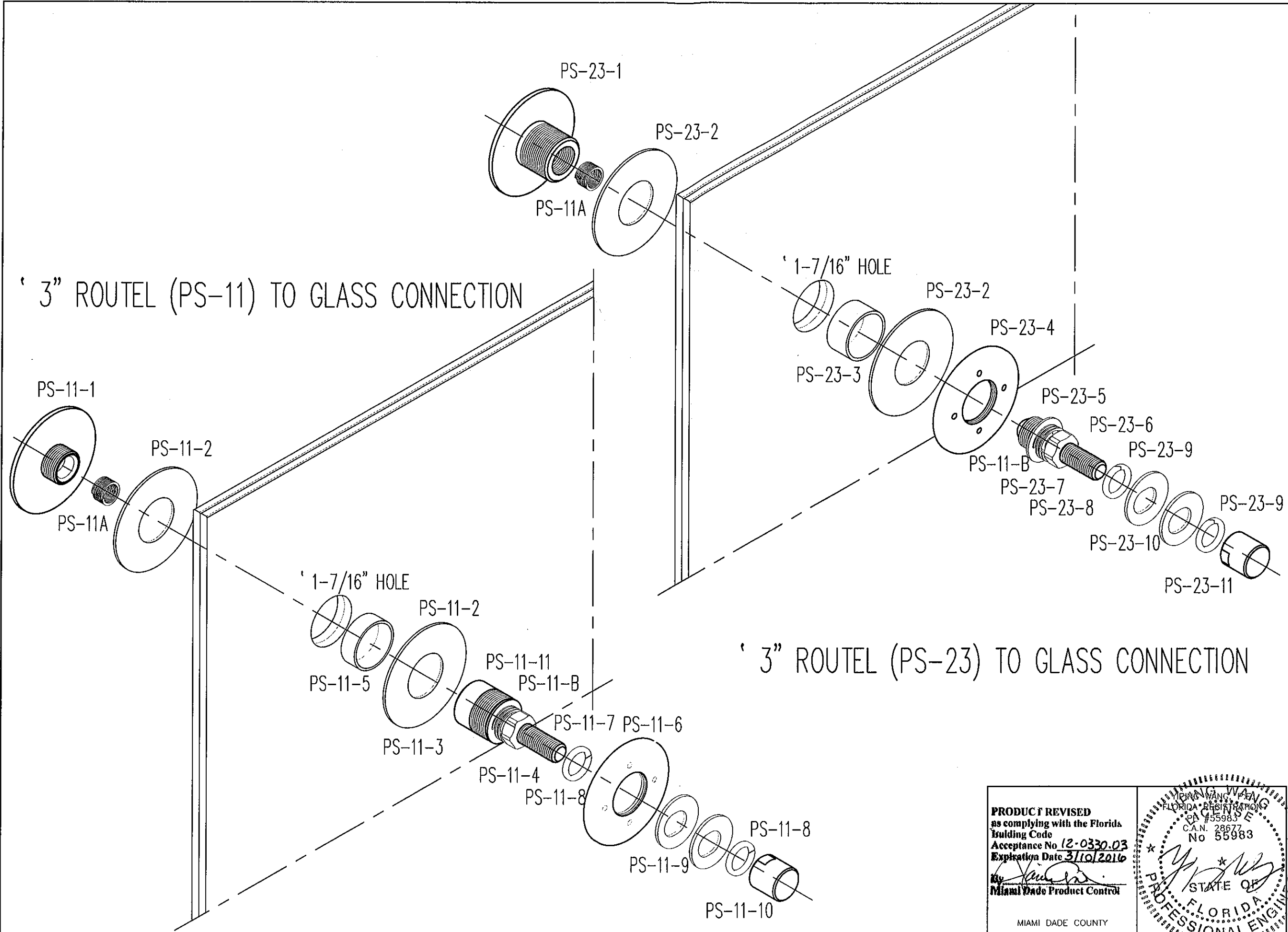
**MCY ENGINEERING, INC.**  
GLAZING CONSULTANTS  
8501 SW 124 AVE. STE. 205A  
MIAMI, FL 33183  
P: 305.271.0117  
F: 786.573.5063  
www.MCYEngineering.com  
MCY.Engineering@Att.net

**POINT SUPPORT GLASS SYSTEM (L.M.I.)**  
**NR ARCHITECTURAL PRODUCTS**  
4348 WESTROADS DRIVE  
WEST PALM BEACH, FL 33407  
P: (561) 844 - 1121 F: (561) 844 - 6131

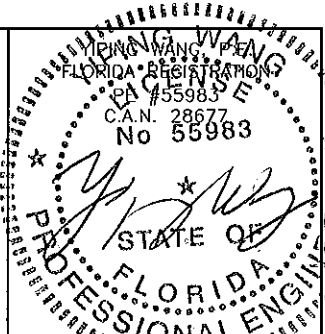
**PRODUCT REVISED**  
as complying with the Florida Building Code  
Acceptance No 12-0330.03  
Expiration Date 3/10/2016  
Miami Dade Product Control

**PROFESSIONAL ENGINEER**  
YIPING WANG, P.E.  
FLORIDA REGISTRATION NO. 55983  
C.A.N. 28677  
STATE OF FLORIDA  
MAR 10 2012

**DRAWING NO.**  
AD10-25  
**SHEET 7 of 10**



**PRODUCT REVISED**  
 as complying with the Florida  
 Building Code  
 Acceptance No. **12-0330.03**  
 Expiration Date **3/10/2016**  
 By *[Signature]*  
 Miami Dade Product Control



REVISIONS	
NO.	DATE DESCRIPTION
1	02/28/12 UPDATED FOR PSC 2010

<b>MCY ENGINEERING, INC.</b> GLAZING CONSULTANTS		<b>MCY</b>
8501 SW 124 AVE. STE. 205A MIAMI, FL 33183		P: 305.271.0117 F: 786.573.5063
www.MCYEngineering.com		MCY.Engineering@Att.net

POINT SUPPORT GLASS SYSTEM (L.M.I.) NR ARCHITECTURAL PRODUCTS 4348 WESTROADS DRIVE WEST PALM BEACH, FL 33407 P: (561) 844 - 1121 F: (561) 844 - 6131	
--	--

DATE	02-28-12
SCALE	AS NOTED
DRAWN	S.L.
PROJECT	00-000

DRAWING NO.	AD10-25
SHEET	8 of 10

MAR 10 2012

# SPIDER CONNECTION DETAIL

This technical drawing is an exploded view of a spider connection detail. It illustrates the assembly of a central spider (PS-09) with four arms, each terminating in a roller (PS-15). The spider is connected to a vertical support structure via a series of brackets and bolts. Key components and their specifications are labeled as follows:

- PS-09**: The central spider component.
- PS-15**: Roller components at the end of each arm.
- PS-12, PS-16**: A bracket component used for mounting.
- PS-14, PS-18**: A bracket component used for mounting.
- PS-21**: Washers used in the assembly.
- PS-24, PS-25, PS-26, PS-27**: Various bracket and plate components.
- PS-28**: A roller component.
- PS-29**: A roller component.
- PS-30**: A roller component.
- PS-31**: A roller component.
- PS-32**: A roller component.
- PS-33**: A roller component.
- PS-34**: A roller component.
- PS-35**: A roller component.
- PS-36**: A roller component.
- PS-37**: A roller component.
- PS-38**: A roller component.
- PS-39**: A roller component.
- PS-40**: A roller component.
- PS-41**: A roller component.
- PS-42**: A roller component.
- PS-43**: A roller component.
- PS-44**: A roller component.
- PS-45**: A roller component.
- PS-46**: A roller component.
- PS-47**: A roller component.
- PS-48**: A roller component.
- PS-49**: A roller component.
- PS-50**: A roller component.
- PS-51**: A roller component.
- PS-52**: A roller component.
- PS-53**: A roller component.
- PS-54**: A roller component.
- PS-55**: A roller component.
- PS-56**: A roller component.
- PS-57**: A roller component.
- PS-58**: A roller component.
- PS-59**: A roller component.
- PS-60**: A roller component.
- PS-61**: A roller component.
- PS-62**: A roller component.
- PS-63**: A roller component.
- PS-64**: A roller component.
- PS-65**: A roller component.
- PS-66**: A roller component.
- PS-67**: A roller component.
- PS-68**: A roller component.
- PS-69**: A roller component.
- PS-70**: A roller component.
- PS-71**: A roller component.
- PS-72**: A roller component.
- PS-73**: A roller component.
- PS-74**: A roller component.
- PS-75**: A roller component.
- PS-76**: A roller component.
- PS-77**: A roller component.
- PS-78**: A roller component.
- PS-79**: A roller component.
- PS-80**: A roller component.
- PS-81**: A roller component.
- PS-82**: A roller component.
- PS-83**: A roller component.
- PS-84**: A roller component.
- PS-85**: A roller component.
- PS-86**: A roller component.
- PS-87**: A roller component.
- PS-88**: A roller component.
- PS-89**: A roller component.
- PS-90**: A roller component.
- PS-91**: A roller component.
- PS-92**: A roller component.
- PS-93**: A roller component.
- PS-94**: A roller component.
- PS-95**: A roller component.
- PS-96**: A roller component.
- PS-97**: A roller component.
- PS-98**: A roller component.
- PS-99**: A roller component.
- PS-100**: A roller component.

Assembly specifications and dimensions are provided for several components:

- ' 3/8-16 X 1-1/2 HHMB**: Hex Head Bolt, 3/8 inch diameter, 16 threads per inch, 1-1/2 inch length.
- ' 1/2" X 1-1/2" A4 S/S**: 1/2 inch diameter, 1-1/2 inch length, A4 stainless steel.
- ' 1/2" X 1-1/2" A4 S/S**: 1/2 inch diameter, 1-1/2 inch length, A4 stainless steel.

The diagram shows the spider (PS-09) being assembled onto a vertical support structure. The spider has four arms, each with a roller (PS-15) at the end. The spider is connected to the support structure via a series of brackets and bolts. The assembly is shown in an exploded view, with dashed lines indicating the alignment of the components.

SPIDER TO SUBSTRATE CONNECTION

**PRODUCT REVISED**  
as complying with the Florida  
Building Code  
Acceptance No. 12-0330.03  
Expiration Date 3/10/2016  
By [Signature]  
Miami Dade Product Control

MIAMI DADE COUNTY

**YIPING WANG, P.E.**  
FLORIDA REGISTRATION  
PE #55983  
C.A.M. 28679

**STATE OF FLORIDA**  
PROFESSIONAL ENGINEER

POINT SUPPORT GLASS SYSTEM (L.M.I.)	
NR ARCHITECTURAL PRODUCTS	
4348 WESTROADS DRIVE WEST PALM BEACH, FL 33407 P: (561) 844 - 1121 F: (561) 844 - 6131	
DATE	02-26-12
SCALE	AS NOTED
DRAWN BY	S.L.
PROJECT	00-000
DRAWING NO. AD10-25	
SHEET 9 of 10	

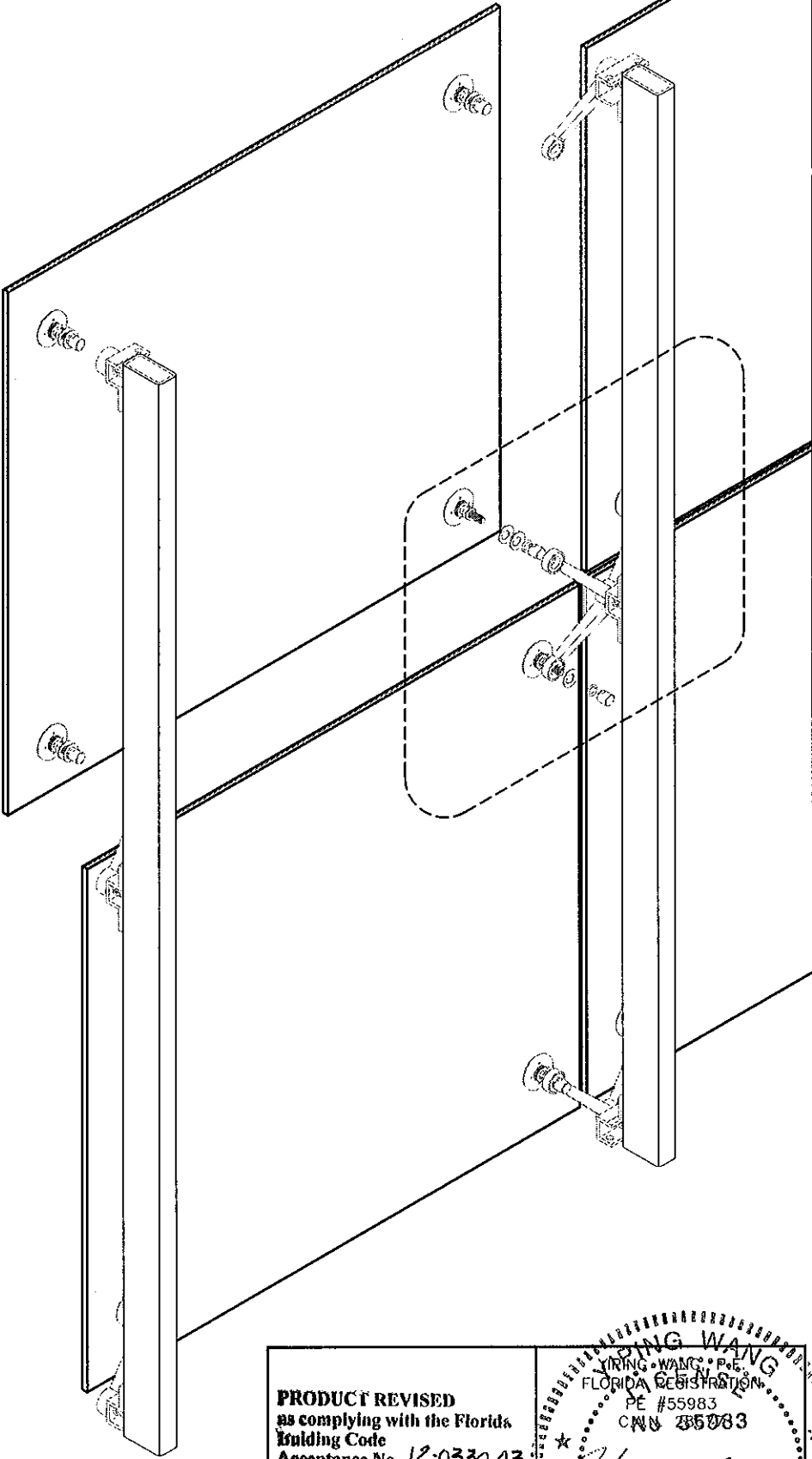
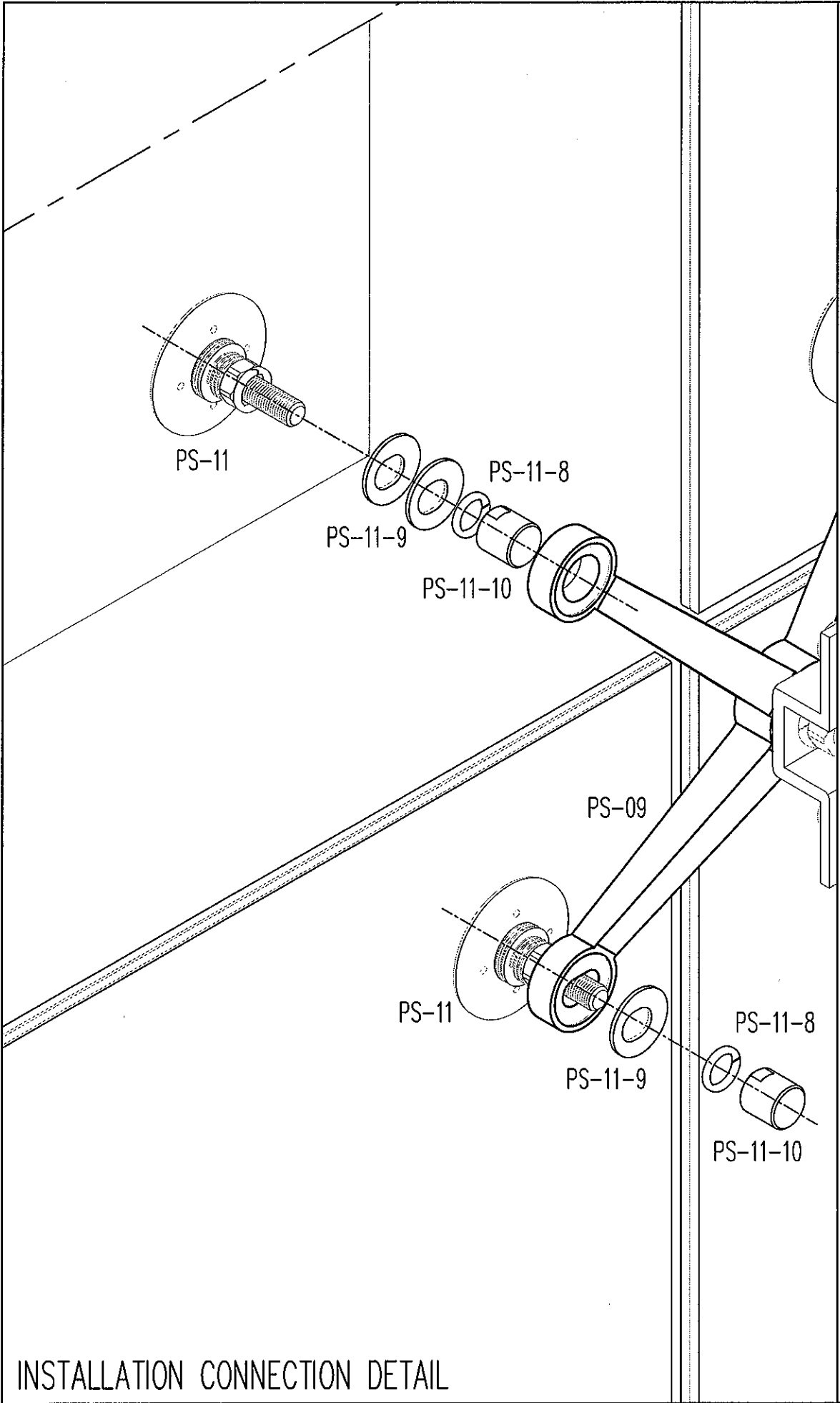
**MCY ENGINEERING, INC.**  
GLAZING CONSULTANTS

8501 SW 124 AVE. STE. 205A P: 305.271.0117  
MIAMI, FL 33183 F: 786.573.5063  
www.MCYEngineering.com MCY.Engineering@Att.net

NO.	DATE	DESCRIPTION
1	02/26/12	UPDATED FOR FBC 2010

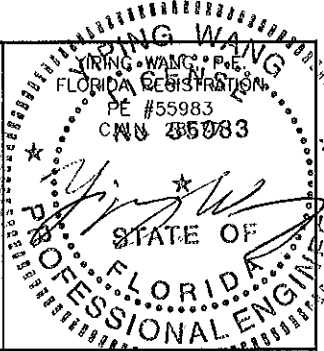
MAR 10 2012

GLASS INSTALLATION



INSTALLATION CONNECTION DETAIL

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No. 12-0330.03  
Expiration Date 3/10/2016  
By *[Signature]*  
Miami Dade Product Control  
MIAMI DADE COUNTY



DATE	02-28-12
SCALE	AS NOTED
DRAWN	S.L.
PROJECT	00-000
DRAWING NO.	AD10-25
SHEET	10 of 10

POINT SUPPORT GLASS SYSTEM (L.M.I.)  
NR ARCHITECTURAL PRODUCTS  
4348 WESTROADS DRIVE  
WEST PALM BEACH, FL 33407  
P: (561) 844 - 1121 F: (561) 844 - 6131

MCY ENGINEERING, INC.  
GLAZING CONSULTANTS  
8501 SW 124 AVE. STE. 205A  
MIAMI, FL 33183  
P: 305.271.0117  
F: 786.573.5063  
www.MCYEngineering.com  
MCYEngineering@att.net

NO.	DATE	DESCRIPTION
1	02/28/12	UPDATED FOR FEB 2010